

In the Claims:

Please amend claims 1, 2, 7, 9, 11, 12, 13, 18, 20 and 22. The status of the claims is as follows:

1. (Currently Amended) A cooling structure of an electronic equipment needing forced-air-cooling comprising:

substrate housing parts detachably housing therein one or plurality of substrate units;

an upstream side duct provided at the upstream side of air for cooling which is allowed to flow to said substrate housing parts;

a downstream side duct for allowing the air for cooling which passed from said upstream side duct through said substrate housing parts to flow;

exhaust means provided at an exhaust part for allowing said downstream side duct to open to an outside air to forcibly discharge air in said substrate housing parts to the outside air, thereby allowing the air for cooling to flow to said substrate housing parts; and

air adjusting means for adjusting the air for cooling which passes from said upstream side duct to said downstream side duct through said substrate housing parts,

wherein said air adjusting means is installed in either or both of a first boundary part where said substrate housing part and said downstream side duct contact each other or a second boundary part where said substrate housing part and said upstream side

duct contact each other, thereby adjusting the air for cooling to a volume of air corresponding to said substrate units installed in said substrate housing part.

2. (Currently Amended) A cooling structure of an electronic equipment according to Claim 1, wherein said air adjusting means ~~is installed in either a first boundary part where said substrate housing parts and said downstream side duct contact each other or a second boundary part where said substrate housing parts and said upstream side duct contact each other, thereby adjusting~~ adjusts a volume of entire air for cooling which flows to said substrate housing parts ~~or adjusting the volume of air corresponding to said substrate units to be installed.~~

3. (Original) A cooling structure of an electronic equipment according to Claim 1, wherein said air adjusting means changes exhaust capacity of the exhaust means.

4. (Original) A cooling structure of an electronic equipment according to Claim 1, further comprising first and second substrate housing frame bodies which are detachably provided in said housing, and said substrate housing parts are installed in said substrate housing frame bodies.

5. (Original) A cooling structure of an electronic equipment according to Claim 1, wherein said air adjusting means sets sizes or the number of air openings through which the air for cooling passes corresponding to said substrate units.

6. (Original) A cooling structure of an electronic equipment according to Claim 1, further comprising a motor for driving said exhaust means, and control means for controlling a driving input relative to said motor to control the number of revolution.

7. (Currently Amended) A cooling structure of an electronic equipment needing forced-air-cooling comprising:

substrate housing parts detachably housing therein one or plurality of substrate units;

an upstream side duct for allowing air for cooling to flow to said substrate housing parts;

a downstream side duct for allowing the air for cooling which passed through said substrate housing parts to flow;

first exhaust means provided at a first exhaust part for allowing said downstream side duct to open to an outside air to forcibly discharge air in said substrate housing parts to the outside air, thereby allowing the air for cooling to flow to said substrate housing parts;

a housing unit detachably installed in said downstream side duct; and

second exhaust means for allowing the air for cooling to flow from said downstream side duct into said housing unit by exhausting air from a second exhaust part for allowing said housing unit to open to the outside air,

wherein a volume of the air for cooling is adjusted by dividing between air leading to said first exhaust means through said downstream side duct and air leading to said second exhaust means through said housing unit, by said housing unit installed in said downstream side duct.

8. (Original) A cooling structure of an electronic equipment according to Claim 7, wherein said second exhaust part of said housing unit side and said downstream side duct are partitioned to have an exhaust guide for intercepting exhaust air at said housing unit side from said downstream side duct.

9. (Currently Amended) A cooling structure of an electronic equipment needing forced-air-cooling comprising:

substrate housing parts installed in a housing to detachably house therein substrate units;

an upstream side duct provided at the upstream side of air for cooling which is allowed to flow to said substrate housing parts;

a downstream side duct for allowing the air for cooling, which passed through said substrate housing parts from said upstream side duct, to flow;

an intake part for guiding the air for cooling to said upstream side duct:

an exhaust part for exhausting the air for cooling from said downstream side duct;

exhaust means installed in said exhaust part for forcibly discharging air in said housing to an outside air to allow the air for cooling to flow to said substrate housing parts, and

air adjusting means for adjusting the air for cooling which flows from said upstream side to said downstream side duct through said substrate housing parts,

wherein said air adjusting means is installed in either or both of a first boundary part where said substrate housing part and said downstream side duct contact each other or a second boundary part where said substrate housing part and said upstream side duct contact each other, thereby adjusting the air for cooling to a volume of air corresponding to said substrate units installed in said substrate housing part.

10. (Original) A cooling structure of an electronic equipment according to Claim 9, wherein said housing unit is provided with an intake part which is allowed to open to said downstream side duct, and intake fans are installed at said intake part.

11. (Currently Amended) A cooling structure of an electronic equipment needing forced-air-cooling comprising:

substrate housing parts for detachably housing therein substrate units from a wall face side of a housing;

an upstream side duct provided at the upstream side of air for cooling which is allowed to flow to said substrate housing parts;

a downstream side duct for allowing the air for cooling, which passed through said substrate housing parts from said upstream side duct, to flow;

a ventilation part provided at the wall face of said housing for allowing said upstream side duct to open to an outside air;

a first exhaust part provided at the wall face of said housing for allowing said downstream side duct to open to the outside air;

first exhaust means provided at said first exhaust part to forcibly discharge air in said housing to the outside air to allow the air for cooling to flow to said substrate housing parts;

air adjusting means for adjusting the air for cooling which flows from said upstream side duct to said downstream side duct through said substrate housing part;

a housing unit installed on said downstream side duct for housing a circuit unit;  
and

second exhaust means provided in said housing unit or housing for exhausting air from said a second exhaust part of said housing by allowing the air for cooling to flow to said housing unit,

wherein said air adjusting means is installed in either or both of a first boundary part where said substrate housing part and said downstream side duct contact each other or a second boundary part where said substrate housing part and said upstream side duct contact each other, the air for cooling is adjusted to a volume of air corresponding to said substrate units installed in said substrate housing part by said air adjusting means, and a volume of the air for cooling which flows to said downstream side duct is adjusted by said housing unit.

12. (Currently Amended) An information processing equipment comprising:

substrate housing parts detachably housing therein one or plurality of substrate units;

an upstream side duct provided at the upstream side of air for cooling which is allowed to flow to said substrate housing parts;

a downstream side duct for allowing the air for cooling which passed from said upstream side duct through said substrate housing parts to flow;

exhaust means provided at an exhaust part for allowing said downstream side duct to open to an outside air to forcibly discharge air in said substrate housing parts to the outside air, thereby allowing the air for cooling to flow to said substrate housing parts; and

air adjusting means for adjusting the air for cooling which passes from said upstream side duct to said downstream side duct through said substrate housing parts,

wherein said air adjusting means is installed in either or both of a first boundary part where said substrate housing part and said downstream side duct contact each other or a second boundary part where said substrate housing part and said upstream side duct contact each other, thereby adjusting the air for cooling to a volume of air corresponding to said substrate units installed in said substrate housing part.

13. (Currently Amended) An information processing equipment according to Claim 12, wherein said air adjusting means ~~is installed in either a first boundary part where said substrate housing parts and said downstream side duct contact each other or a second boundary part where said substrate housing parts and said upstream side duct contact each other, thereby adjusting~~ adjusts a volume of entire air for cooling which flows to said substrate housing parts ~~or adjusting the volume of air corresponding to said substrate units to be installed.~~

14. (Original) An information processing equipment according to Claim 12, wherein said air adjusting means changes exhaust capacity of the exhaust means.

15. (Original) An information processing equipment according to Claim 12, further comprising first and second substrate housing frame bodies which are detachably provided in said housing, and said substrate housing parts are installed in said substrate housing frame bodies.



16. (Original) An information processing equipment according to Claim 12, wherein said air adjusting means sets sizes or the number of air openings through which the air for cooling passes corresponding to said substrate units.

17. (Original) An information processing equipment according to Claim 12, further comprising a motor for driving said exhaust means, and control means for controlling a driving input relative to said motor to control the number of revolution.

18. (Currently Amended) An information processing equipment comprising:

substrate housing parts detachably housing therein one or plurality of substrate units;

an upstream side duct for allowing air for cooling to flow to said substrate housing parts;

a downstream side duct for allowing the air for cooling which passed through said substrate housing parts to flow;

first exhaust means provided at a first exhaust part for allowing said downstream side duct to open to an outside air to forcibly discharge air in said substrate housing parts to the outside air, thereby allowing the air for cooling to flow to said substrate housing parts;

a housing unit detachably installed in said downstream side duct; and

second exhaust means for allowing the air for cooling to flow from said downstream side duct into said housing unit by exhausting air from a second exhaust part for allowing said housing unit to open to the outside air,

wherein a volume of the air for cooling is adjusted by dividing between air leading to said first exhaust means through said downstream side duct and air leading to said second exhaust means through said housing unit, by said housing unit installed in said downstream side duct.

19. (Original) An information processing equipment according to Claim 18, wherein said second exhaust part of said housing unit side and said downstream side duct are partitioned to have an exhaust guide for intercepting exhaust air at said housing unit side from said downstream side duct.

20. (Currently Amended) An information processing equipment comprising:

substrate housing parts installed in a housing to detachably house therein substrate units;

an upstream side duct provided at the upstream side of air for cooling which is allowed to flow to said substrate housing parts;

a downstream side duct for allowing the air for cooling, which passed through  
said substrate housing parts from said upstream side duct, to flow;

an intake part for guiding the air for cooling to said upstream side duct:

an exhaust part for exhausting the air for cooling from said downstream side  
duct;

exhaust means installed in said exhaust part for forcibly discharging air in said  
housing to an outside air to allow the air for cooling to flow to said substrate housing parts;;  
and

air adjusting means for adjusting the air for cooling which flows from said  
upstream side to said downstream side duct through said substrate housing parts,

wherein said air adjusting means is installed in either or both of a first  
boundary part where said substrate housing part and said downstream side duct contact each  
other or a second boundary part where said substrate housing part and said upstream side  
duct contact each other, thereby adjusting the air for cooling to a volume of air corresponding  
to said substrate units installed in said substrate housing part.

21. (Original) An information processing equipment according to Claim 20,  
wherein said housing unit is provided with an intake part which is allowed to open to said  
downstream side duct, and intake fans are installed at said intake part.

22. (Currently Amended) An information processing equipment comprising:

substrate housing parts for detachably housing therein substrate units from a wall face side of a housing;

an upstream side duct provided at the upstream side of air for cooling which is allowed to flow to said substrate housing parts;

a downstream side duct for allowing the air for cooling, which passed through said substrate housing parts from said upstream side duct, to flow;

a ventilation part provided at the wall face of said housing for allowing said upstream side duct to open to an outside air;

a first exhaust part provided at the wall face of said housing for allowing said downstream side duct to open to the outside air;

first exhaust means provided at said first exhaust part to forcibly discharge air in said housing to the outside air to allow the air for cooling to flow to said substrate housing parts;

air adjusting means for adjusting the air for cooling which flows from said upstream side duct to said downstream side duct through said substrate housing part;

a housing unit installed on said downstream side duct for housing a circuit unit;  
and

second exhaust means provided in said housing unit or housing for exhausting  
air from ~~said~~ a second exhaust part of said housing by allowing the air for cooling to flow to  
said housing unit,

wherein said air adjusting means is installed in either or both of a first  
boundary part where said substrate housing part and said downstream side duct contact each  
other or a second boundary part where said substrate housing part and said upstream side  
duct contact each other, the air for cooling is adjusted to a volume of air corresponding to  
said substrate units installed in said substrate housing part by said air adjusting means, and a  
volume of the air for cooling which flows to said downstream side duct is adjusted by said  
housing unit.